

WEST Search History

DATE: Thursday, April 10, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side			result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
L5	L4 and secre\$6 adj6 mammal\$6	46	L5
L4	L3 and RNA adj6 splice	362	L4
L3	L2 and chimer\$6	6595	L3
L2	L1 and fus\$6 adj6 protein	11433	L2
L1	bacteriophage or phage or M13	26236	L1

END OF SEARCH HISTORY

(FILE 'HOME' ENTERED AT 13:06:14 ON 10 APR 2003)

FILE 'CA' ENTERED AT 13:06:23 ON 10 APR 2003

L1 115862 S VECTOR
L2 4515 S L1 AND (PHAGE OR BACTERIOPHAGE OR M13)
L3 102 S L2 AND CHIME? (4W) GENE
L4 75 S L3 AND FUS?
L5 0 S L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC
L6 0 S L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC?
L7 4 S L4 AND (EUKARYOTIC OR MAMMAL?) (5W) CELL

FILE 'MEDLINE' ENTERED AT 13:11:01 ON 10 APR 2003

L8 47036 S L1
L9 2512 S L2
L10 10 S L3
L11 4 S L4
L12 0 S L5
L13 0 S L6
L14 0 S L7
L15 47036 S L8

FILE 'BIOSIS' ENTERED AT 13:12:12 ON 10 APR 2003

L16 109989 S L1
L17 3357 S L2
L18 9 S L3
L19 5 S L4
L20 0 S L5

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.84

40.95

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-2.48

STN INTERNATIONAL LOGOFF AT 13:12:55 ON 10 APR 2003

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:sssptau183tw

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2	Apr 08	"Ask CAS" for self-help around the clock
NEWS	3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS	4	Apr 09	ZDB will be removed from STN
NEWS	5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS	6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS	7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS	8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS	9	Jun 03	New e-mail delivery for search results now available
NEWS	10	Jun 10	MEDLINE Reload
NEWS	11	Jun 10	PCTFULL has been reloaded
NEWS	12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS	13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS	14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS	15	Jul 30	NETFIRST to be removed from STN
NEWS	16	Aug 08	CANCERLIT reload
NEWS	17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS	18	Aug 08	NTIS has been reloaded and enhanced
NEWS	19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS	20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS	21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS	22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS	23	Sep 03	JAPIO has been reloaded and enhanced
NEWS	24	Sep 16	Experimental properties added to the REGISTRY file
NEWS	25	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS	26	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS	27	Oct 21	EVENTLINE has been reloaded
NEWS	28	Oct 24	BEILSTEIN adds new search fields
NEWS	29	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS	30	Oct 25	MEDLINE SDI run of October 8, 2002
NEWS	31	Nov 18	DKILIT has been renamed APOLLIT
NEWS	32	Nov 25	More calculated properties added to REGISTRY
NEWS	33	Dec 02	TIBKAT will be removed from STN
NEWS	34	Dec 04	CSA files on STN
NEWS	35	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS	36	Dec 17	TOXCENTER enhanced with additional content
NEWS	37	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS	38	Dec 30	ISMEC no longer available
NEWS	39	Jan 21	NUTRACEUT offering one free connect hour in February 2003
NEWS	40	Jan 21	PHARMAML offering one free connect hour in February 2003
NEWS	41	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS	42	Feb 13	CANCERLIT is no longer being updated
NEWS	43	Feb 24	METADEX enhancements
NEWS	44	Feb 24	PCTGEN now available on STN
NEWS	45	Feb 24	TEMA now available on STN
NEWS	46	Feb 26	NTIS now allows simultaneous left and right truncation

NEWS 47 Feb 26 PCTFULL now contains images
 NEWS 48 Mar 04 SDI PACKAGE for monthly delivery of multifile SDI results
 NEWS 49 Mar 19 APOLLIT offering free connect time in April 2003
 NEWS 50 Mar 20 EVENTLINE will be removed from STN
 NEWS 51 Mar 24 PATDPAFULL now available on STN
 NEWS 52 Mar 24 Additional information for trade-named substances without
 structures available in REGISTRY
 NEWS 53 Mar 24 Indexing from 1957 to 1966 added to records in CA/CAPLUS

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
 MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
 AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 13:06:14 ON 10 APR 2003

=> file ca

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CA' ENTERED AT 13:06:23 ON 10 APR 2003

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FILE COVERS 1907 - 3 Apr 2003 VOL 138 ISS 15

FILE LAST UPDATED: 3 Apr 2003 (20030403/ED)

This file contains CAS Registry Numbers for easy and accurate
 substance identification.

=> s vector

L1 115862 VECTOR

=> s l1 and (phage or bacteriophage or M13)

41047 PHAGE

27325 BACTERIOPHAGE

3814 M13
L2 4515 L1 AND (PHAGE OR BACTERIOPHAGE OR M13)

=> s l2 and chime?(4w)gene

37755 CHIME?

741373 GENE

7746 CHIME?(4W)GENE

L3 102 L2 AND CHIME?(4W)GENE

=> s l3 and fus?

351480 FUS?

L4 75 L3 AND FUS?

=> s l4 and (eukaryotic or mammal?) (5w)sec

32068 EUKARYOTIC

201880 MAMMAL?

192197 SEC

18 (EUKARYOTIC OR MAMMAL?) (5W)SEC

L5 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W)SEC

=> s l4 and (eukaryotic or mammal?) (5w)sec?

32068 EUKARYOTIC

201880 MAMMAL?

1588781 SEC?

1922 (EUKARYOTIC OR MAMMAL?) (5W)SEC?

L6 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W)SEC?

=> s l4 and (eukaryotic or mammal?) (5w)cell

32068 EUKARYOTIC

201880 MAMMAL?

1582164 CELL

15699 (EUKARYOTIC OR MAMMAL?) (5W)CELL

L7 4 L4 AND (EUKARYOTIC OR MAMMAL?) (5W)CELL

=> d l7 1-4 ti au so py ab

L7 ANSWER 1 OF 4 CA COPYRIGHT 2003 ACS

TI Receptor-mediated gene delivery using **bacteriophage** vectors

IN Larocca, David; Baird, Andrew; Johnson, Wendy

SO U.S., 47 pp., Cont.-in-part of Appl. No. PCT/US98/17950.

CODEN: USXXAM

PY 2002

2000

1999

1999

AB The invention provides a method of gene delivery, comprising: contacting a **mammalian cell** with filamentous **phage** particles presenting a ligand on their surfaces, wherein a **vector** within the **phage** encodes a gene product under control of a promoter. Filamentous **phage** particles displaying a ligand on their surface are used to deliver a therapeutic gene to a cell. The ligand is FGF-2 or antibody for FGF-2 receptor. The ligand is **fused** with a **phage** capsid protein, covalently conjugated to **phage** particles, or complexed with modified **phage** particles. The therapeutic gene product is selected from the group consisting of protein, ribozyme, and antisense oligonucleotide, and in other embodiments the therapeutic gene product is a cytotoxic agent (e.g., ribosome inactivating protein, such as sapronin) or is an antibody that binds to HER2/neu.

L7 ANSWER 2 OF 4 CA COPYRIGHT 2003 ACS

TI Ablating adenovirus type 5 fiber-CAR binding and HI loop insertion of the SIGYPLP peptide generate an endothelial cell-selective adenovirus

AU Nicklin, Stuart A.; Von Seggern, Dan J.; Work, Lorraine M.; Pek, Don C. K.; Dominiczak, Anna F.; Nemerow, Glen R.; Baker, Andrew H.

SO Molecular Therapy (2001), 4(6), 534-542
 CODEN: MTOHCK; ISSN: 1525-0016

PY 2001

AB Adenovirus type 5 (Ad) based vectors transduce vascular endothelial cells (EC) and have been widely used for vascular gene transfer. However, many cell types express the Ad receptor (coxsackievirus adenovirus receptor; CAR), preventing selective EC infection and precluding clin. use. The authors previously isolated the human EC-binding peptides SIGYPLP and LSNFHSS by **phage** display and demonstrated by means of a bispecific antibody that SIGYPLP directs efficient, high-level, EC-selective Ad-mediated gene transfer. The authors now generate genetically modified Ad fiber proteins with selective EC tropism by engineering these peptides into the HI loop of the Ad fiber. SIGYPLP, but not LSNFHSS, enhanced EC selectivity, demonstrating maintenance of peptide-cell binding fidelity upon incorporation into virions. Combining fiber mutations that block CAR binding (detargeting) with SIGYPLP insertion (retargeting) generated a novel Ad **vector**, AdKO1SIG, in a single component system. AdKO1SIG demonstrated efficient and selective tropism for EC compared with control Ad vectors. This is the first demonstration of genetic incorporation of a novel, **mammalian**, **cell**-selective ligand that retains its targeting fidelity in the Ad fiber HI loop, in combination with point mutations that abolish fiber-CAR interaction. This study demonstrates the potential for improving the cell-selectivity and safety of adenoviral vectors. (c) 2001 Academic Press.

L7 ANSWER 3 OF 4 CA COPYRIGHT 2003 ACS

TI Methods of performing gene trapping in bacterial and **bacteriophage**-derived artificial chromosomes and use thereof

IN Heintz, Nathaniel; Jiang, Weining; Yang, Xiangdong W.

SO U.S., 22 pp., Cont.-in-part of U.S. Ser. No. 880,966.
 CODEN: USXXAM

PY 2000
 2000
 2000
 2002

AB A method of efficiently sequencing multiple exons from complex genomic DNAs is disclosed. The method sequences a portion of a eukaryotic gene that minimally contains one exon which has a 3' splice site, i.e., any exon other than the first exon. The methodol. includes the use of bacterial and **bacteriophage**-derived artificial chromosomes (BBPACs) in novel gene trapping protocols. Targeted gene trapping by homologous recombination, and random gene trapping with the use of a transposon system are exemplified. Included in the invention are methods of prepg. a gene map from BBPAC contigs, the resulting gene maps, methods of constructing a cDNA library from BBPAC contigs, and the resulting cDNA libraries.

L7 ANSWER 4 OF 4 CA COPYRIGHT 2003 ACS

TI Methods of performing gene trapping in bacterial and **bacteriophage**-derived artificial chromosomes and use thereof

IN Heintz, Nathaniel; Jiang, Weining; Yang, Xiangdong W.

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 CODEN: USXXAM

PY 2000
 2000
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 2002

AB A method of efficiently sequencing multiple exons from complex genomic DNAs is disclosed. The methodol. includes the use of bacterial and **bacteriophage**-derived artificial chromosomes (BBPACs) in novel gene trapping protocols. Targeted gene trapping by homologous recombination, and random gene trapping with the use of a transposon system are exemplified. Included in the invention are methods of prepg. a gene map from BBPAC contigs, the resulting gene maps, methods of

constructing a cDNA library from BBPAC contigs, and the resulting cDNA libraries.

=> file medline

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	38.64	38.85
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.48	-2.48

FILE 'MEDLINE' ENTERED AT 13:11:01 ON 10 APR 2003

FILE LAST UPDATED: 9 APR 2003 (20030409/UP). FILE COVERS 1958 TO DATE.

On June 9, 2002, MEDLINE was reloaded. See HELP RLOAD for details.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the MeSH 2003 vocabulary. See <http://www.nlm.nih.gov/mesh/summ2003.html> for a description on changes.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 11

L8 47036 VECTOR

=> s 12

47036 VECTOR
23244 PHAGE
28177 BACTERIOPHAGE
2680 M13

L9 2512 L1 AND (PHAGE OR BACTERIOPHAGE OR M13)

=> s 13

47036 VECTOR
23244 PHAGE
28177 BACTERIOPHAGE
2680 M13
31181 CHIME?
612296 GENE
1474 CHIME? (4W) GENE

L10 10 L2 AND CHIME? (4W) GENE

=> s 14

47036 VECTOR
23244 PHAGE
28177 BACTERIOPHAGE
2680 M13
31181 CHIME?
612296 GENE
1474 CHIME? (4W) GENE
139471 FUS?

L11 4 L3 AND FUS?

=> s 15

47036 VECTOR
23244 PHAGE
28177 BACTERIOPHAGE
2680 M13
31181 CHIME?
612296 GENE
1474 CHIME? (4W) GENE

139471 FUS?
 25874 EUKARYOTIC
 126278 MAMMAL?
 23770 SEC
 13 (EUKARYOTIC OR MAMMAL?) (5W) SEC
 L12 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC

=> s 16

47036 VECTOR
 23244 PHAGE
 28177 BACTERIOPHAGE
 2680 M13
 31181 CHIME?
 612296 GENE
 1474 CHIME? (4W) GENE
 139471 FUS?
 25874 EUKARYOTIC
 126278 MAMMAL?
 1221526 SEC?
 1007 (EUKARYOTIC OR MAMMAL?) (5W) SEC?
 L13 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC?

=> s 17

47036 VECTOR
 23244 PHAGE
 28177 BACTERIOPHAGE
 2680 M13
 31181 CHIME?
 612296 GENE
 1474 CHIME? (4W) GENE
 139471 FUS?
 25874 EUKARYOTIC
 126278 MAMMAL?
 1650439 CELL
 8001 (EUKARYOTIC OR MAMMAL?) (5W) CELL
 L14 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) CELL

=> s 18

L15 47036 VECTOR

=> d 110 1-10 ti au so py

L10 ANSWER 1 OF 10 MEDLINE
 TI Cloning of variable region genes of anti-tetanus toxoid antibody and their expression as three kinds of engineered antibodies in E. coli.
 AU Zan H; Yeh M
 SO SHIH YEN SHENG WU HSUEH PAO [JOURNAL OF EXPERIMENTAL BIOLOGY], (1997 Sep) 30 (3) 285-92.
 Journal code: 0413570. ISSN: 0001-5334.
 PY 1997

L10 ANSWER 2 OF 10 MEDLINE
 TI Expression and immunogenicity of a liver stage malaria epitope presented as a foreign peptide on the surface of RNA-free MS2 bacteriophage capsids.
 AU Heal K G; Hill H R; Stockley P G; Hollingdale M R; Taylor-Robinson A W
 SO VACCINE, (1999 Sep) 18 (3-4) 251-8.
 Journal code: 8406899. ISSN: 0264-410X.
 PY 1999

L10 ANSWER 3 OF 10 MEDLINE
 TI Overexpression and purification of avian ovomucoid third domains in Escherichia coli.
 AU Hinck A P; Walkenhorst W F; Westler W M; Choe S; Markley J L
 SO PROTEIN ENGINEERING, (1993 Feb) 6 (2) 221-7.

Journal code: 8801484. ISSN: 0269-2139.
 PY 1993

L10 ANSWER 4 OF 10 MEDLINE
 TI Selection and characterization of randomly produced mutants of gene V protein of **bacteriophage M13**.
 AU Stassen A P; Zaman G J; van Deursen J M; Schoenmakers J G; Konings R N
 SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (1992 Mar 15) 204 (3) 1003-4.
 Journal code: 0107600. ISSN: 0014-2956.
 PY 1992

L10 ANSWER 5 OF 10 MEDLINE
 TI Efficient production of biologically active human prolactin in Escherichia coli.
 AU Hiraoka Y; Nomata Y; Matsuo K; Tsubota N; Tanabe K; Fukasawa T
 SO MOLECULAR AND CELLULAR ENDOCRINOLOGY, (1991 Oct) 81 (1-3) 147-54.
 Journal code: 7500844. ISSN: 0303-7207.
 PY 1991

L10 ANSWER 6 OF 10 MEDLINE
 TI Use of a cell-free system to identify the vaccinia virus L1R gene product as the major late myristylated virion protein M25.
 AU Franke C A; Wilson E M; Hruby D E
 SO JOURNAL OF VIROLOGY, (1990 Dec) 64 (12) 5988-96.
 Journal code: 0113724. ISSN: 0022-538X.
 PY 1990

L10 ANSWER 7 OF 10 MEDLINE
 TI Production of chimeric protein coded by the fused viral H-ras and human N-ras genes in Escherichia coli.
 AU Matsui T; Hirano M; Naoe T; Yamada K; Kurosawa Y
 SO GENE, (1987) 52 (2-3) 215-23.
 Journal code: 7706761. ISSN: 0378-1119.
 PY 1987

L10 ANSWER 8 OF 10 MEDLINE
 TI Isolation and characterization of the sucrose 6-phosphate hydrolase gene from Streptococcus mutans.
 AU Hayakawa M; Aoki H; Kuramitsu H K
 SO INFECTION AND IMMUNITY, (1986 Sep) 53 (3) 582-6.
 Journal code: 0246127. ISSN: 0019-9567.
 PY 1986

L10 ANSWER 9 OF 10 MEDLINE
 TI High-level expression of the bovine growth hormone gene in heterologous mammalian cells.
 AU Ramabhadran T V; Reitz B A; Shah D M
 SO GENE, (1985) 38 (1-3) 111-8.
 Journal code: 7706761. ISSN: 0378-1119.
 PY 1985

L10 ANSWER 10 OF 10 MEDLINE
 TI A thermoinducible lambda **phage**-**ColE1** plasmid **chimera** for the overproduction of **gene** products from cloned DNA segments.
 AU Rao R N; Rogers S G
 SO GENE, (1978 May) 3 (3) 247-63.
 Journal code: 7706761. ISSN: 0378-1119.
 PY 1978

=> file biosis
 COST IN U.S. DOLLARS
 FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
1.26	40.11

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-2.48

FILE 'BIOSIS' ENTERED AT 13:12:12 ON 10 APR 2003
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FILE COVERS 1969 TO DATE.
 CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
 FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 9 April 2003 (20030409/ED)

=> s 11

L16 109989 VECTOR

=> s 12

109989 VECTOR
 43753 PHAGE
 16326 BACTERIOPHAGE
 2681 M13

L17 3357 L1 AND (PHAGE OR BACTERIOPHAGE OR M13)

=> s 13

109989 VECTOR
 43753 PHAGE
 16326 BACTERIOPHAGE
 2681 M13
 30414 CHIME?
 787600 GENE
 2212 CHIME? (4W) GENE
 9 L2 AND CHIME? (4W) GENE

L18

=> s 14

109989 VECTOR
 43753 PHAGE
 16326 BACTERIOPHAGE
 2681 M13
 30414 CHIME?
 787600 GENE
 2212 CHIME? (4W) GENE
 159681 FUS?

L19 5 L3 AND FUS?

=> s 15

109989 VECTOR
 43753 PHAGE
 16326 BACTERIOPHAGE
 2681 M13
 30414 CHIME?
 787600 GENE
 2212 CHIME? (4W) GENE
 159681 FUS?
 26669 EUKARYOTIC
 3910860 MAMMAL?
 18653 SEC
 13 (EUKARYOTIC OR MAMMAL?) (5W) SEC
 0 L4 AND (EUKARYOTIC OR MAMMAL?) (5W) SEC

L20

=>

=> d his